

NASA's SC09 Booth #1947 Directory

RESEARCH AREA	DEMO TITLE	PRESENTER	LOCATION
Aircraft	Improvements to Navier-Stokes Simulations of Rotor Wakes and Feature Extraction	Neal Chaderjian	1
Aircraft	Large Eddy Simulations of Temporal Mixing Layers Under Supercritical Conditions	Heidi Lorenz-Wirzba	3
Aircraft	Large-Scale Simulations for Turbine Engine Core Noise	Dale Van Zante	1
Aircraft	Swing-Wing Inline-Fuselage Transport Design Studies at Supersonic Flight Conditions	Scott Thomas	11
Aircraft	The National Combustion Code: Simulations from Scalability	Rich Rinehart	1
Computing Technology	Accelerating Climate Simulations Through Hybrid Computing	Shujia Zhou	8
Computing Technology	Earth Science Data Distribution for Climate Research	Harper Pryor	14
Computing Technology	Hardware-Assisted Intelligent Network Monitoring and Measurement at 10 Gigabit/s and Beyond	David Hartzell	13
Computing Technology	HECC Application Performance and Productivity	Bob Hood	14
Computing Technology	High-speed Encrypted InfiniBand Applications over the WAN	David Hartzell	13
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Computing Technology	Nehalem Clusters for NASA Climate Simulations	Dan Duffy	14
Computing Technology	NCCS Data Management System for Climate Simulations	Dan Duffy	14
Computing Technology	Optimizing Wide-Area File Transfers for 10 Gbps and Beyond	Pat Gary	13
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Our Planet	Enabling Breakthrough Kinetic Simulations of the Magnetosphere Using Petascale Computing	Burlen Loring	10
Our Planet	Extending the Lead Time of Tropical Cyclogenesis Prediction	Bo-Wen Shen	9
Our Planet	Global Non-Hydrostatic Modeling with the NASA GEOS-5 Atmospheric Model	William Putman	14
Our Planet	Interaction of Solar System with the Heliosphere	Heidi Lorenz-Wirzba	3
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Our Planet	MERRA: The Modern Era Retrospective-analysis for Research and Applications	Harper Pryor	12
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Space Travel	Aerothermal Databases to Support the Orion Crew Exploration Vehicle	Kerry Trumble	6
Space Travel	CFD Support for Vehicle Assembly Building (VAB) Fire Scenario Analysis	Marshall Gusman	4
Space Travel	CFD Support for Launch Environment Flame Trench Analysis	Jeffrey Housman	4
Space Travel	CFD Analysis for the Next-Generation Heavy-Lift Vehicle	Cetin Kiris	4
Space Travel	Computational Fluid Dynamics Simulations of Ares I Launch Vehicle	James Kless	5
Space Travel	Computational Investigation of Shuttle Leading Edge Defects	Stephen Alter	5
Space Travel	Hypersonic Transition to Turbulence	Michael Barnhardt	5
Space Travel	Numerical Analysis of Boundary Layer Transition Flight Experiments on the Space Shuttle	Chun Tang	6
Space Travel	Transition in High-Speed Boundary Layers: Numerical Investigations Using DNS	Andreas Laible	11
The Universe	Dead Zone Accretion Flows in Protostellar Disks	Heidi Lorenz-Wirzba	3
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The Universe	Modeling Fluid Dynamics and Magnetic Fields on the Outer Planets	Krista Soderlund	2
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